

ABSTRACT

- A desktop computer which has a driver mounted in the back wall of the chassis. The chassis is acoustically a very leaky box, so the driver is designed as if it were a free-space driver (using large cone area and long throw). In one class of embodiments, a single driver is used, and is centered in the back of the box so that there is an equal left-right split, although not true stereo. The front of the box may be made more acoustically leaky to move the acoustic image forward. The treatment of the box as being acoustically leaky means that the airflow required for thermal management has not been restricted. The use of a long-throw driver permits the volume-velocity of the driver to be increased. Treatment of the box as very leaky also means that no user changes or custom configurations will significantly disturb the expected acoustic environment.
- 15 An audio system incorporating a free-space driver with an equalizer designed for use with a free-space driver further improves acoustic quality. Gain staging may also be used to improve acoustic quality of the audio system.